

IN THE CLAIMS

Please cancel claims 2 and 4; amend claim 1; and add claims 5-9 as follows:

1. (Currently Amended) An optical disc recording apparatus, comprising:
a light irradiator that irradiates a laser light onto an optical disc having a discoloration layer;
a position controller that controls an irradiating position of the laser light;
a laser power controller that controls a laser power of the laser light in accordance with input image data;
a temperature detector that detects a temperature of the optical disc; and
a laser power corrector that corrects laser power for discoloration in the discoloration layer by the laser light in accordance with the detected temperature in order to cancel a change in a temperature of the optical disc.
2. (Canceled)
3. (Original) An optical disc recording apparatus, comprising:
a light irradiator that irradiates a laser light onto an optical disc having a discoloration layer;
a position controller that controls an irradiating position of the laser light;
a laser power controller that controls a laser power of the laser light in accordance with input image data;
a light receiver that receives a reflected light of the laser light reflected by the optical disc and outputs a light receiving signal representing a light receiving level; and
a laser power corrector that corrects laser power to maintain a changing rate of the light receiving level to be a changing rate with in a range determined in advance when the laser light

at a laser power for discolorating the discoloration layer in accordance with the input image data.

4. (Canceled)

5. (New) The optical disc recording apparatus according to claim 1, wherein the temperature detected by the temperature detector is compared to a previously input temperature.

6. (New) The optical disc recording apparatus according to claim 5, wherein the laser power controller terminates laser power correction when the obtained temperature is equal to the stored temperature.

7. (New) The optical disc recording apparatus according to claim 5, wherein the laser power controller calculates a laser power correction amount based on the detected temperature and a previously input temperature.

8. (New) The optical disc recording apparatus according to claim 1, wherein a linear velocity of the optical disc is calculated based on the position of a diameter direction of a laser light irradiating position.

9. (New) The optical disc recording apparatus according to claim 1, wherein a linear velocity of the optical disc is controlled based on the changing rate of the light receiving level.

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